15/3,AB/2 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

05168152 87204149 PMID: 3554240
Development of a monoclonal antibody **specifically reactive to gastrointestinal goblet cells.**
Vecchi M; Sakamaki S; Diamond B; Novikoff AB; Novikoff PM; **Das KM**
Proceedings of the National Academy of Sciences of the United States of America (UNITED STATES) May 1987, 84 (10) p3425-9, ISSN 0027-8424
Journal Code: PV3
Contract/Grant No.: AM-26403, AM, NIADDK; AM-32371, AM, NIADDK; CA-06576, CA, NCI; +
Languages: ENGLISH
Document type: Journal Article
Record type: Completed
A mouse **monoclonal antibody** (7E6A5) of IgG isotype, reacting specifically with mucin-producing goblet cells of the human gastrointestinal tract, has been developed. 7E6A5 reacts by an ELISA with colonic protein eluted from a DEAE column. A screening by immunoperoxidase assay of 76 specimens from 19 different human tissues showed that the immunoreactivity of 7E6A5 was confined exclusively in the globules of goblet cells in the colon, the appendix, and the small **intestine** . Nongoblet small and large **intestinal** epithelial cells did not react. Immunoelectron microscopy demonstrated the reactivity with mucin droplets in a homogeneous granular pattern inside the globules of goblet cells. Mucus-secreting cells from remaining parts of the gastrointestinal tract and other mucus-secreting organs such as respiratory, genitourinary tracts, salivary and mammary glands did not show any reactivity to 7E6A5. These findings indicate that the antigen recognized by 7E6A5 is shared by the goblet cells of both the small and large **intestines** and is unique to them. The **monoclonal antibody** may be useful in the study of function of mucus-secreting goblet cells and may represent an important tool in the evaluation of diseases such as ulcerative colitis, colon cancer, and **intestinal metaplasia** in **gastric** mucosa that are associated with quantitative changes in goblet cell numbers or with qualitative differences in mucin secretion.

15/3,AB/3 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

12504662 BIOSIS NO.: 200000258164
Gastric intestinal metaplasia **with colonic phenotype, as detected by a novel biomarker, mAbDAS-1, is highly associated with** gastric **carcinoma.**
AUTHOR: **Das Kiron M** (a); Slate Jason A; Ramsundar Laura; Amenta Peter S; Prasad Saket; Yokota Kinichi; Tanabe Hiroki; Sato Tomonobu; Kohgo Yutaka
AUTHOR ADDRESS: (a)UMDNJ/Robert Wood Johnson Med Sch, New Brunswick, NJ** USA
JOURNAL: Gastroenterology 118 (4 Suppl. 2 Part 1):pA273 April, 2000
MEDIUM: print.
CONFERENCE/MEETING: 101st Annual Meeting of the American Gastroenterological Association and the Digestive Disease Week. San Diego, California, USA May 21-24, 2000
SPONSOR: American Gastroenterological Association
ISSN: 0016-5085
RECORD TYPE: Citation
LANGUAGE: English
SUMMARY LANGUAGE: English

2000

15/3,AB/5 (Item 2 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

03183486 Genuine Article#: NH909 Number of References: 1
Title: BARRETTS EPITHELIUM (BE) AND GASTRIC INTESTINAL METAPLASIA - **AN IMMUNOCYTOCHEMICAL DIFFERENCE USING A NOVEL** MONOCLONAL- ANTIBODY **(7E12H12)**
Author(s): GUJRAL N; RUEMMLERFISCH C; AMENTA PS; **DAS KM**
Corporate Source: UMDNJ,ROBERT WOOD JOHNSON MED SCH/NEW BRUNSWICK//NJ/00000
Journal: GASTROENTEROLOGY, 1994, V106, N4 (APR), PA84
ISSN: 0016-5085
Language: ENGLISH Document Type: MEETING ABSTRACT
?

23/3,AB/3 (Item 3 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

05168152 87204149 PMID: 3554240
Development of a monoclonal antibody **specifically reactive to gastrointestinal goblet cells.**
Vecchi M; Sakamaki S; Diamond B; Novikoff AB; Novikoff PM; Das KM
Proceedings of the National Academy of Sciences of the United States of America (UNITED STATES) May 1987, 84 (10) p3425-9, ISSN 0027-8424
Journal Code: PV3
Contract/Grant No.: AM-26403, AM, NIADDK; AM-32371, AM, NIADDK; CA-06576, CA, NCI; +
Languages: ENGLISH
Document type: Journal Article
Record type: Completed
A mouse **monoclonal antibody** (7E6A5) of IgG isotype, reacting specifically with mucin-producing goblet cells of the human gastrointestinal tract, has been developed. 7E6A5 reacts by an ELISA with **colonic protein** eluted from a DEAE column. A screening by immunoperoxidase assay of 76 specimens from 19 different human tissues showed that the immunoreactivity of 7E6A5 was confined exclusively in the globules of goblet cells in the **colon** , the appendix, and the small **intestine** . Nongoblet small and large **intestinal epithelial** cells did not react. Immunoelectron microscopy demonstrated the reactivity with mucin droplets in a homogeneous granular pattern inside the globules of goblet cells. Mucus-secreting cells from remaining parts of the gastrointestinal tract and other mucus-secreting organs such as respiratory, genitourinary tracts, salivary and mammary glands did not show any reactivity to 7E6A5. These findings indicate that the antigen recognized by 7E6A5 is shared by the goblet cells of both the small and large **intestines** and is unique to them. The **monoclonal antibody** may be useful in the study of function of mucus-secreting goblet cells and may represent an important tool in the evaluation of diseases such as ulcerative colitis, **colon** cancer, and **intestinal metaplasia** in **gastric** mucosa that are associated with quantitative changes in goblet cell numbers or with qualitative differences in mucin secretion.

23/3,AB/7 (Item 1 from file: 349)
DIALOG(R)File 349:PCT Fulltext

00596133
DIAGNOSIS OF EARLY GASTRIC CANCER
DIAGNOSTIC PRECOCE DU CANCER GASTRIQUE
Patent Applicant/Assignee:
LOCUS GENEX OY, LOCUS GENEX OY , Laippatie 1, FIN-00880 Helsinki , FI
Inventor(s):
RISTIMAKI Ari, RISTIMAKI, Ari , Orapihlajakuja 6 as. 1, FIN-00320 Helsinki , FI
HARKONEN Matti, HARKONEN, Matti , Harjuviita 14 C 24, FIN-02100 Espoo , FI
Patent and Priority Information (Country, Number, Date):
Patent: WO 9841864 A1 19980924
Application: WO 98FI238 19980318 (PCT/WO FI9800238)
Priority Application: FI 971124 19970318
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML

MR NE SN TD TG
Publication Language: English
Filing Language: English
Fulltext Word Count: 4380

English Abstract
The present invention relates to diagnosis of stomach cancer and concerns in specific a method for detection of gastric carcinoma at a premalignant phase by detecting cyclooxygenase-2 expression in a patient sample.

French Abstract
L'invention concerne le diagnostic du cancer de l'estomac, et notamment une methode qui permet de detecter un carcinome gastrique a un stade precancereux en detectant l'expression de < i> cyclo-oxygenase 2 < /i> dans un echantillon preleve chez un patient.
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26/3,AB/1 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10697188 20340760 PMID: 10878504
An antigen reacting with das - 1 monoclonal antibody **is ntogenically regulated in diverse organs including liver and indicates sharing of developmental mechanisms among cell lineages.**
Badve S; Logdberg L; Sokhi R; Sigal SH; Botros N; Chae S; Das KM; Gupta S
Department of Pathology, Albert Einstein College of Medicine, Bronx, NY 10461, USA.
Pathobiology (SWITZERLAND) Mar-Apr 2000, 68 (2) p76-86, ISSN 1015-2008 Journal Code: AF6
Contract/Grant No.: P30DK41296, DK, NIDDK; RO1DK46952, DK, NIDDK; RO1DK47673, DK, NIDDK
Languages: ENGLISH
Document type: Journal Article
Record type: Completed
The **monoclonal antibody** designated mAb **Das -1** , which was generated against a colon epithelial protein, reacts with the normal biliary epithelium and keratinocytes, which are among targets of tissue injury in ulcerative colitis. Moreover, mAb **Das -1** reacts with abnormal cells in Barrett's esophagus and chronic cystitis profunda, as well as so-called 'oval cells' in the adult liver, which are considered oncogenic progenitor cells. To establish ontogenic regulation of mAb **Das -1** reactivity, we studied 7- to 24-week-old human fetuses by immunohistochemistry. In liver, mAb **Das -1** reactivity was further correlated with glycogen, dipeptidyl peptidase IV, glucose-6-phosphatase and gamma-glutamyl transpeptidase expression. mAb **Das - 1** reacted with cells in organs arising from the pharyngeal cleft (thymus), primitive gut (oral cavity, pharynx, lung, esophagus, stomach, biliary tree, pancreas, liver, colon), ureteric bud (renal tubules, collecting duct), mesonephros (kidney, testis), mesoderm (muscle) and elsewhere (skin, adrenal cortex). In distinction from the adult liver, mAb **Das -1** staining was more pronounced in hepatoblasts compared with biliary cells. In adult tissues, however, mAb **Das -1** reactivity was restricted to the colon, biliary epithelium, keratinocytes, and ciliary body. These data indicated that the mAb **Das -1** recognized epitopes in fetal cells of diverse ectodermal, mesodermal and endodermal origin, compatible with sharing of lineage mechanisms in tissues. Reactivation of mAb **Das - 1** staining in epithelial precancerous conditions, including carcinomas arising in these organs, is compatible with oncofetal regulation of the antigen, which will facilitate analysis of cell subpopulations during organ development, regeneration and oncogenesis.

26/3,AB/2 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

12504662 BIOSIS NO.: 200000258164
Gastric intestinal metaplasia with colonic phenotype, as detected by a novel biomarker, mAbDAS-1, is highly associated with gastric carcinoma.
AUTHOR: Das Kiron M(a); Slate Jason A; Ramsundar Laura; Amenta Peter S; Prasad Saket; Yokota Kinichi; Tanabe Hiroki; Sato Tomonobu; Kohgo Yutaka
AUTHOR ADDRESS: (a)UMDNJ/Robert Wood Johnson Med Sch, New Brunswick, NJ** USA
JOURNAL: Gastroenterology 118 (4 Suppl. 2 Part 1):pA273 April, 2000
MEDIUM: print.
CONFERENCE/MEETING: 101st Annual Meeting of the American Gastroenterological Association and the Digestive Disease Week. San Diego, California, USA May 21-24, 2000

SPONSOR: American Gastroenterological Association
ISSN: 0016-5085
RECORD TYPE: Citation
LANGUAGE: English
SUMMARY LANGUAGE: English
2000

26/3,AB/3 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

12417208 BIOSIS NO.: 200000170710
Use of a novel monoclonal antibody **in diagnosis of Barrett's Esophagus.**
AUTHOR: Griffel Louis H(a); Amenta Peter S; Das Kiron M
AUTHOR ADDRESS: (a)UMDNJ/Robert Wood Johnson Medical School, One Robert Wood Johnson Place, New Brunswick, NJ, 08903-0019**USA
JOURNAL: Digestive Diseases and Sciences. 45 (1):p40-48 Jan., 2000
ISSN: 0163-2116
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

ABSTRACT: A novel **monoclonal antibody** (MAbDAS-1), that specifically reacts with colonic but not small intestinal epithelium, recognizes specialized columnar epithelium (SCE) in the esophagus. The frequency of its reactivity in biopsy specimens of patients with endoscopically suspected Barrett's Esophagus (BE) is examined. Fifty-two biopsy specimens of the distal esophagus from 38 patients were tested by immunoperoxidase method using MAb-**DAS -1** . Fifty-four samples of cardia-type mucosa biopsied from the stomach were used as controls. Results were compared with histology and Alcian blue/high iron diamine (AB/HID). Of the 52 specimens, 29 had glandular epithelium and the rest had only squamous epithelium. Ten were diagnosed to have SCE by histology. All 10 samples reacted with MAbDAS-1 and with Alcian blue. Of the remaining 19 specimens, five also reacted with MAbDAS-1. None of the squamous epithelium and cardia specimens reacted with MAbDAS-1. MAbDAS-1 may detect intestinal metaplasia of the esophagus of colonic phenotype in the absence of histological evidence of SCE.

2000

26/3,AB/4 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

12050514 BIOSIS NO.: 199900331033
The use of a novel monoclonal antibody **in the diagnosis and classification of Barrett's esophagus: An inter-institutional blinded study.**
AUTHOR: Homme J(a); Wang Kenneth K(a); Burgart L J(a); Nijhawan P(a); Lutzke L(a); Anderson M(a); Griffel Louis H; Amenta P S; Das K M
AUTHOR ADDRESS: (a)Mayo Clin, Rochester, MN**USA
JOURNAL: Gastroenterology 116 (4 PART 2):pA349 April, 1999
CONFERENCE/MEETING: Digestive Disease Week and the 100th Annual Meeting of the American Gastroenterological Association Orlando, Florida, USA May 16-19, 1999
SPONSOR: American Gastroenterological Association
ISSN: 0016-5085

RECORD TYPE: Citation
LANGUAGE: English
1999

26/3,AB/5 (Item 4 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

11745704 BIOSIS NO.: 199800526400
Expression of a unique epithelial antigen recognized by mAb DAS- 1 **in intact fetal human liver and isolated fetal liver cells.**
AUTHOR: Badve S(a); Logdberg L(a); Slehria S(a); Sigal S; Das K M; Gupta S (a)
AUTHOR ADDRESS: (a)Albert Einstein Coll. Med., New York, NY**USA
JOURNAL: Hepatology 28 (4 PART 2):p523A Oct., 1998
CONFERENCE/MEETING: Biennial Scientific Meeting of the International Association for the Study of the Liver and the 49th Annual Meeting and Postgraduate Courses of the American Association for the Study of Liver Diseases Chicago, Illinois, USA November 4-10, 1998
SPONSOR: International Association for the Study of the Liver
ISSN: 0270-9139
RECORD TYPE: Citation
LANGUAGE: English
1998

26/3,AB/6 (Item 5 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

11503072 BIOSIS NO.: 199800284404
Cellular origin of Barrett's epithelium: A critical analysis using a novel biomarker.
AUTHOR: Das K M(a); Botros N; Amenta P S
AUTHOR ADDRESS: (a)UMDNJ-Robert Wood Johnson Medical Sch., New Brunswick, NJ**USA
JOURNAL: Gastroenterology 114 (4 PART 2):pA98 April 15, 1998
CONFERENCE/MEETING: Digestive Disease Week and the 99th Annual Meeting of the American Gastroenterological Association New Orleans, Louisiana, USA May 16-22, 1998
SPONSOR: American Gastroenterological Association
ISSN: 0016-5085
RECORD TYPE: Citation
LANGUAGE: English
1998

26/3,AB/7 (Item 6 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

11419772 BIOSIS NO.: 199800201104
The anti-colonic epithelial MAb, mAb Das- 1, **reacts with hepatoblasts in the fetal human liver and cells in additional fetal tissues.**
AUTHOR: Badve S; Logdberg L; Slehria S; Sigal S; Das K M; Gupta S
AUTHOR ADDRESS: Albert Einstein Coll. Med., Mount Sinai Sch. Med., New York, NY**USA
JOURNAL: FASEB Journal 12 (4):pA470 March 17, 1998
CONFERENCE/MEETING: Annual Meeting of the Professional Research Scientists on Experimental Biology 98, Part 1 San Francisco, California, USA April

18-22, 1998
SPONSOR: Federation of American Societies for Experimental Biology
ISSN: 0892-6638
RECORD TYPE: Citation
LANGUAGE: English
1998
?

Set	Items	Description
S1	1342	AU="DAS K" OR AU="DAS K M"
S2	199	AU="DAS K."
S3	130	AU="DAS K.M."
S4	396	AU="DAS KIRON" OR AU="DAS KIRON M" OR AU="DAS KIRON MOY" OR AU="DAS KM"
S5	2064	S1 OR S2 OR S3 OR S4
S6	18742	DAS(W)1
S7	86	DAS1
S8	18820	S6 OR S7
S9	0	HUMAN(W)GASTRIC(W)INTESTINAL(W)ANTIGEN
S10	849855	MONOCLONAL(W)ANTIBOD?
S11	3	COLON(W)EPITHELIAL(W)SPECIFIC(W)PROTEIN
S12	0	HUMAN(W)GASTRIC(W)INTESTINAL(W)METAPLASIA(W)ANTIGEN
S13	7584	GASTRIC(S)INTESTIN?(S)METAPLASIA
S14	460	S10 AND S13
S15	5	S4 AND S14
S16	7	S8 AND S14
S17	2	RD (unique items)
S18	7	S8 AND S13
S19	0	S18 NOT S16
S20	12563	COLON?(S)EPITHELIAL(S)PROTEIN
S21	49	S20 AND S13
S22	30	S21 AND S10
S23	20	RD (unique items)
S24	103	S8 AND S10
S25	93	S24 NOT PY>2000
S26	88	RD (unique items)

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